

CRF Errors Corrected by the STIC System Branch

Serial Number: 09/489,667A

CRF Processing Date: 11/13/2000

Edited by: DA

Verified by: DA

(STIC staff)

**ENTERED**

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: \_\_\_\_\_
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: \_\_\_\_\_
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: \_\_\_\_\_
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: \_\_\_\_\_
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: \_\_\_\_\_
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: \_\_\_\_\_
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_
- ☐ Inserted mandatory headings, specifically: \_\_\_\_\_
- ☐ Corrected an obvious error in the response, specifically: \_\_\_\_\_
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_
- ☒ Other: globally corrected 4307 responses

Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form. 3/1/95

1653

Does Not Comply  
Corrected Diskette Needed

RAW SEQUENCE LISTING                      DATE: 11/13/2000  
 PATENT APPLICATION: US/09/489,667A      TIME: 13:14:36

Input Set : A:\D2875seqlist.txt  
 Output Set: N:\CRF3\11132000\I489667A.raw

3 <110> APPLICANT: Donovan, Stephen  
 5 <120> TITLE OF INVENTION: CLOSTRIDIAL TOXIN DERIVATIVES AND METHODS FOR TREATING  
 6 PAIN  
 8 <130> FILE REFERENCE: botulinum-subP/pain/D2875  
 10 <140> CURRENT APPLICATION NUMBER: 09/489,667A  
 11 <141> CURRENT FILING DATE: 2000-01-19  
 13 <160> NUMBER OF SEQ ID NOS: 14  
 15 <170> SOFTWARE: PatentIn Ver. 2.1  
 17 <210> SEQ ID NO: 1  
 18 <211> LENGTH: 11  
 19 <212> TYPE: PRT  
 20 <213> ORGANISM: Unknown Organism  
 22 <220> FEATURE:  
 23 <221> NAME/KEY: MOD\_RES  
 24 <222> LOCATION: (11)  
 25 <223> OTHER INFORMATION: AMIDATION  
 27 <220> FEATURE:  
 28 <223> OTHER INFORMATION: Description of Unknown Organism: This fragment is  
 29 substance P and is very well known in the art.  
 31 <220> FEATURE:  
 32 <223> OTHER INFORMATION: The Met at position 11 is Met-amide.  
 34 <300> PUBLICATION INFORMATION:  
 W--> 35 <310> PATENT DOCUMENT NUMBER: 08/631,434 US 08/631,434  
 36 <311> PATENT FILING DATE: 1996-04-12  
 37 <312> PUBLICATION DATE: 1999-04-06  
 39 <400> SEQUENCE: 1  
 40 Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met  
 41 1 5 10  
 44 <210> SEQ ID NO: 2  
 45 <211> LENGTH: 12  
 46 <212> TYPE: PRT  
 47 <213> ORGANISM: Unknown Organism  
 49 <220> FEATURE:  
 50 <223> OTHER INFORMATION: Description of Unknown Organism: Precursor to  
 51 substance P, which is very well known in the art.  
 53 <300> PUBLICATION INFORMATION:  
 W--> 54 <310> PATENT DOCUMENT NUMBER: 08/631,434  
 55 <311> PATENT FILING DATE: 1996-04-12  
 56 <312> PUBLICATION DATE: 1999-04-06  
 58 <300> PUBLICATION INFORMATION:  
 59 <301> AUTHORS: Shimonaka,  
 60 et al.,  
 61 <303> JOURNAL: J. Neurochem.  
 62 <304> VOLUME: 59  
 63 <306> PAGES: 81-92  
 64 <307> DATE: Jul-1992  
 66 <400> SEQUENCE: 2

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68 1 5 10
71 <210> SEQ ID NO: 3
72 <211> LENGTH: 13
73 <212> TYPE: PRT
74 <213> ORGANISM: Unknown Organism
76 <220> FEATURE:
77 <223> OTHER INFORMATION: Description of Unknown Organism: This fragment is
78 a precursor to substance P and is very well known
79 in the art.
81 <300> PUBLICATION INFORMATION:
W--> 82 <310> PATENT DOCUMENT NUMBER: 08/631,434
83 <311> PATENT FILING DATE: 1996-04-12
84 <312> PUBLICATION DATE: 1999-04-06
86 <300> PUBLICATION INFORMATION:
87 <301> AUTHORS: Shimonaka,
88 et al.,
89 <303> JOURNAL: J. Neurochem.
90 <304> VOLUME: 59
91 <306> PAGES: 81-92
92 <307> DATE: Jul-1992
94 <400> SEQUENCE: 3
95 Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Gly Lys
96 1 5 10
99 <210> SEQ ID NO: 4
100 <211> LENGTH: 14
101 <212> TYPE: PRT
102 <213> ORGANISM: Unknown Organism
104 <220> FEATURE:
105 <223> OTHER INFORMATION: Description of Unknown Organism: This fragment is a
106 precursor to substance P and is very well known in
107 the art.
109 <300> PUBLICATION INFORMATION:
W--> 110 <310> PATENT DOCUMENT NUMBER: 08/631,434
111 <311> PATENT FILING DATE: 1996-04-12
112 <312> PUBLICATION DATE: 1999-04-06
114 <300> PUBLICATION INFORMATION:
115 <301> AUTHORS: Shimonaka,
116 et al.,
117 <303> JOURNAL: J. Neurochem.
118 <304> VOLUME: 59
119 <306> PAGES: 81-92
120 <307> DATE: Jul-1992
122 <400> SEQUENCE: 4
123 Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Gly Lys Arg
124 1 5 10
127 <210> SEQ ID NO: 5
128 <211> LENGTH: 12
129 <212> TYPE: PRT

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130 <213> ORGANISM: Artificial Sequence  
 132 <220> FEATURE:  
 133 <223> OTHER INFORMATION: Description of Artificial Sequence: This fragment  
 134 is a carboxy-ester synthetic precursor to  
 135 substance P.  
 137 <220> FEATURE:  
 138 <223> OTHER INFORMATION: The Gly at the carboxy terminal (Gly at position  
 139 12) is methylated.  
 141 <300> PUBLICATION INFORMATION:  
 W--> 142 <310> PATENT DOCUMENT NUMBER: 08/631,434  
 143 <311> PATENT FILING DATE: 1996-04-12  
 144 <312> PUBLICATION DATE: 1999-04-06  
 146 <300> PUBLICATION INFORMATION:  
 147 <301> AUTHORS: Lee,  
 148 et al.,  
 149 <303> JOURNAL: Eur. J. Biochem.  
 150 <304> VOLUME: 114  
 151 <306> PAGES: 315-327  
 152 <307> DATE: Feb-1981  
 154 <300> PUBLICATION INFORMATION:  
 155 <301> AUTHORS: Pernow, B.  
 156 <303> JOURNAL: Pharmacol. Rev.  
 157 <304> VOLUME: 35  
 158 <306> PAGES: 86-138  
 159 <307> DATE: Jun-1983  
 161 <300> PUBLICATION INFORMATION:  
 162 <301> AUTHORS: Regoli,  
 163 et al.,  
 164 <303> JOURNAL: TIPS  
 165 <304> VOLUME: 9  
 166 <306> PAGES: 290-295  
 167 <307> DATE: Aug-1988  
 169 <400> SEQUENCE: 5  
 170 Arg Pro Lys Pro Gln Phe Phe Gly Leu Met Gly  
 171 1 5 10  
 174 <210> SEQ ID NO: 6  
 175 <211> LENGTH: 13  
 176 <212> TYPE: PRT  
 177 <213> ORGANISM: Artificial Sequence  
 179 <220> FEATURE:  
 180 <223> OTHER INFORMATION: Description of Artificial Sequence: This is a  
 181 carboxy ester synthetic precursor to substance P.  
 183 <220> FEATURE:  
 184 <223> OTHER INFORMATION: The Lys at the carboxy-terminus (Lys at position  
 185 13) is methylated.  
 187 <300> PUBLICATION INFORMATION:  
 W--> 188 <310> PATENT DOCUMENT NUMBER: 08/631,434  
 189 <311> PATENT FILING DATE: 1996-04-12  
 190 <312> PUBLICATION DATE: 1999-04-06

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194     et al.,
195 <303> JOURNAL: Eur. J. Biochem.
196 <304> VOLUME: 114
197 <306> PAGES: 315-327
198 <307> DATE: Feb-1981
200 <300> PUBLICATION INFORMATION:
201 <301> AUTHORS: Pernow, B.
202 <303> JOURNAL: Pharmacol. Rev.
203 <304> VOLUME: 35
204 <306> PAGES: 86-138
205 <307> DATE: Jun-1983
207 <300> PUBLICATION INFORMATION:
208 <301> AUTHORS: Regoli,
209     et al.,
210 <303> JOURNAL: TIPS
211 <304> VOLUME: 9
212 <306> PAGES: 290-295
213 <307> DATE: Aug-1988
215 <400> SEQUENCE: 6
216 Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met Gly Lys
217   1             5             10
220 <210> SEQ ID NO: 7
221 <211> LENGTH: 14
222 <212> TYPE: PRT
223 <213> ORGANISM: Artificial Sequence
225 <220> FEATURE:
226 <223> OTHER INFORMATION: Description of Artificial Sequence: This is a
227     carboxy ester sythetic precursor to substance P.
229 <220> FEATURE:
230 <223> OTHER INFORMATION: The Arg at the carboxy-terminus (Arg at position
231     14) is methylated.
233 <300> PUBLICATION INFORMATION:
W--> 234 <310> PATENT DOCUMENT NUMBER: 08/631,434
235 <311> PATENT FILING DATE: 1996-04-12
236 <312> PUBLICATION DATE: 1999-04-06
238 <300> PUBLICATION INFORMATION:
239 <301> AUTHORS: Lee,
240     et al.,
241 <303> JOURNAL: Eur. J. Biochem.
242 <304> VOLUME: 114
243 <306> PAGES: 315-327
244 <307> DATE: Feb-1981
246 <300> PUBLICATION INFORMATION:
247 <301> AUTHORS: Pernow, B.
248 <303> JOURNAL: Pharmacol. Rev.
249 <304> VOLUME: 35
250 <306> PAGES: 86-138

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TIME: 13:14:36

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W- - >

## VERIFICATION SUMMARY

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TIME: 13:14:37

Input Set : A:\D2875seqlist.txt

Output Set: N:\CRF3\11132000\I489667A.raw

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